

CLAIMS

1. A brake caliper for automobiles, comprising:
 - A. a bridge with at least one concavity,
 - B. two side walls which are perpendicular to said bridge on at least one of which is at least one bore containing a piston,
 - C. two corners joining said side walls to said bridge.
 - D. at least one concavity passing through at least one corner.

Whereby said concavities can easily be formed in a casting.

2. The brake caliper of claim 1 wherein said concavities are aligned with the wheel axis and said corner comprises a discrete rib structure around said concavities, said ribs continuing through said bridge.

Whereby the ribs mechanically integrate the upper and lower radial walls of the bridge and partition the bridge into cells.

3. The brake caliper of claim 2 wherein the lateral profile of said ribs is increased to a predetermined size and shape.

Whereby the stiffness lost in said corner due to said concavities is compensated by an increase in the bending stiffness of the intervening ribs.

4. The brake caliper of claim 1 wherein at least one concavity is shaped to accommodate means for fixturing, locating, clamping or handling said caliper.

5. The brake caliper of claim 1 wherein at least one concavity is shaped to accommodate means for mounting other components.